



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Computer Information Systems Department

CIS401 Fundamentals Of Multimedia

Summer Semester 2019-2020

Course Catalog

3 Credit Hours. 3 Credit hours (3 h lectures). This course is an introductory course into multimedia, where the students learn the key concepts in current multimedia technology and develop dynamic and interactive multimedia software titles after providing the most essential skills in handling multimedia tools and designing multimedia content in a development environment.

Text Book

Title	Fundamentals of Multimedia
Author(s)	Ze-Nian Li, Mark S. Drew, Jiangchuan Liu.
Edition	2nd Edition
Short Name	Textbook
Other Information	

Instructor

Name	Mr. Eyad Alshareef
Office Location	PH4 L-1
Office Hours	Sun : 13:00 - 14:30 Mon : 13:30 - 14:30 Tue : 13:00 - 14:30 Thu : 13:00 - 15:00
Email	eyadsd@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Mon, Tue, Wed : 14:30 - 16:00
Room: منصة الكترونية

Prerequisites		
Line Number	Course Name	Prerequisite Type
1742010	Cls201 Introduction To Web Design	Prerequisite / Study
1732112	CS211 Data Structures	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction	Chapter 1 From Textbook
Week 2	Text Multimedia Component	Chapter 2 From Textbook
Week 3	Graphics Multimedia Component	Chapter 3 From Textbook
Weeks 3, 4	Animation Multimedia Component	Chapter 4 From Textbook
Weeks 4, 5	Sound Multimedia Component	Chapter 5 From Textbook
Week 5	Video	Chapter 6 From Textbook
Week 6	Color Space	Chapter 7 From Textbook
Week 7	Data Compression	Chapter 8 From Textbook

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Brief Introduction about the applications and multimedia tools [1A]	25%	
Knowing Basic Information about static multimedia elements(text, graphics) [1A, 1B, 1C]	15%	
Knowing Basic Information about Dynamic multimedia elements (animation, Audio, video) [1B, 1D]	10%	
Knowing Basic Information Compressing for multimedia elements [1A, 1B]	15%	
Multimedia Information Sharing and Retrieval on the WWW and Social Media Sharing [1D, 1K]	25%	
Develop dynamic and interactive multimedia software titles [1A, 1B]	10%	

Relationship to Program Student Outcomes (Out of 100%)																
A	B	C	D	E	F	G	H	I	J	K	SO1	SO2	SO3	SO4	SO5	SO6
42.50	22.50	5	17.50							12.50						

Evaluation	
Assessment Tool	Weight

first	25%
second	25%
final	40%
Quiz 1	5%
Quiz 2	5%

Policy	
Attendance	Attendance is very important for the course. In accordance with university policy, students missing more than 10% of total classes are subject to failure. Penalties may be assessed without regard to the student's performance. Attendance will be recorded at the beginning or end of each class.
Exams	All exams will be CLOSE-BOOK;

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